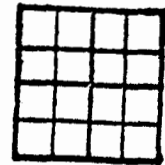


WELL LOG

16-14-10W
NW NE SE

KANSAS



Contractor: Leben Rupe & Art Gorski

Leben Drilling, Inc.

Farm K. Vopat #2

Total Depth 2962'

Commenced October 20, 1971

Completed October 25, 1971

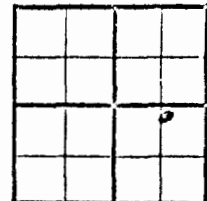
Sec. 16 T. 14S R. 10W

Loc. NW NE SE

County Ellsworth

Casing 8 5/8"

Production



Figures Indicate Bottom of Formations

0'	-	40'	surface soil clay & post rock
40'	-	60'	clay & shale
60'	-	160'	shale & sand
160'	-	269'	shale
269'	-	560'	shale & red bed
560'	-	583'	anhy
583'	-	850'	shale
850'	-	1475'	shale & lime
1475'	-	2505'	lime & shale
2505'	-	2962'	lime

SMP TOPS	DEPTH
GR HAV	2129
TARK	2210
ELM	2274
TOP	2456
WIL CR TOP	2496
HEEB	2746
TOR	2766
DOUG	2770
BN LM	2842
LKC	2861
RTD	2962



State of Oklahoma

SS

County of Oklahoma